

Acoustical Society of America

First Award

Development of 3D-printed Electronic Stethoscope and Open-Source Android-Based Platform with Automated Diagnosis of Cardiac Conditions

- Ryan Folz, duPont Manual High School, KY, United States of America Honorable Mention
Impact the Force: Effects of Insoles on Impact Force for Gymnasts
- William Broomhead, Kenton County Academy of Innovation and Technology, KY, United States of America

Air Force Research Laboratory

First Award

ENMC030 - The Next Airbender: A Novel Approach to Airfoil Efficiency and the Optimization of the Lift-to-Drag Ratio

- Rachel Seevers, Paul Laurence Dunbar High School, KY, United States of America

American Chemical Society

Honorable Mention

CHEM055 - Optimization of Temperature Conditions for Pristine Graphene Synthesis

- Govind Krishna, duPont Manual High School, KY, United States of America

American Physiological Society

First Award

CELL020 - Tactile Stimulation of the Tongue Elicits the Activation of TrkC Neurons in the Trigeminal Ganglion

- Madison Sneve, duPont Manual High School, KY, United States of America

Second Award

BCHM019 - Bioengineering Islet Cells Using 3D-Bio Printing Technology for the Treatment of Type-1 Diabetes

- Vishaal Balamurugan, North Oldham High School, KY, United States of America

National Aeronautics and Space Administration

Second Award

ENMC030 - The Next Airbender: A Novel Approach to Airfoil Efficiency and the Optimization of the Lift-to-Drag Ratio

- Rachel Seevers, Paul Laurence Dunbar High School, KY, United States of America

Office of Naval Research on behalf of the United States Navy and Marine Corps

Chief Naval Research Scholarship Award

ENMC027 - Development of a Hybrid Direct Ink Write 3D Printer: A Novel Approach to 3D Printing Multi-Material Functional Devices and Flexible Electronics

- Joshua Jacob, Saint Xavier High School, KY, United States of America

Samvid Education Foundation

First Agni Award

ENBM020T - Development of 3D-printed Electronic Stethoscope and Open-Source Android-Based Platform with Automated Diagnosis of Cardiac Conditions

- Abraham Riedel-Mishaan, duPont Manual High School, KY, United States of America
- Praharshasai Paladugu, duPont Manual High School, KY, United States of America
- Ryan Folz, duPont Manual High School, KY, United States of America

Society of Experimental Test Pilots

Honorable Mentions

ENMC030 - The Next Airbender: A Novel Approach to Airfoil Efficiency and the Optimization of the Lift-to-Drag Ratio

- Rachel Seevers, Paul Laurence Dunbar High School, KY, United States of America